ABSTRACT

A device for coupling incident radiation to a single mode fiber optic a solid state interferometer having a front end similar to a Mach-Zehnder integrated interferometer and a back end formed by two converging radiation channels converging at an angle θ and terminating prior to overlapping. The angle θ is calculated to produce ~~in~~ an interference zone formed by the exiting radiation a primary constructive interference fringe that provides an optimum match to an input fiber mode of a fiber positioned within the interference zone.